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Lc743 M N F N V S L M E K L K W K I K C I E N 20
RM8con 60
1 -----+-----+-----+-----+-----+ 60
Lc743 ATGAATTTCAACGTTAGTTTGATGGAGAAATTAAAAATGGAAGATTAAATGCATTGAAAAT
RM8ALc743/5'.....
RM8B
RM8C
RM8con

Lc743 K F L N Y R L T T N E T V V A E T E Y G 40
RM8con 120
61 -----+-----+-----+-----+-----+ 120
Lc743 AAGTTTTTAACTATCGTTTAACTACCAATGAAACGGTGGTAGCTGAAACTGAATATGGC
RM8A
RM8B
RM8C
RM8con

Lc743 K V K G V K R L T V Y D D S Y Y S F E G 60
RM8con 180
121 -----+-----+-----+-----+-----+ 180
Lc743 AAAGTGAAAGGCGTTAAACGTTTAACTGTGTACGATGATTCTACTACAGTTTTGAGGGT
RM8A
RM8B
RM8C
RM8con

Lc743 I P Y A Q P P V G E L R F K A P Q R P T 80
RM8con 240
181 -----+-----+-----+-----+-----+ 240
Lc743 ATACCGTACGCCCAACCGCCAGTGGGTGAGCTGAGATTTAAAGCACCCAGCGACCAACA
RM8A
RM8B
RM8C
RM8con

Lc743 P W D G V R D C C N H K D K S V Q V D F 100
RM8con 300
241 -----+-----+-----+-----+-----+ 300
Lc743 CCCTGGGATGGTGTGCGTGATTGTTGCAATCATAAAGATAAGTCAGTGCAAGTTGATTTT
RM8A
RM8BC.....
RM8C
RM8con

FIGURE 1

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Lc743 I T G K V C G S E D C L Y L S V Y T N N 120
RM8con
301 -----+-----+-----+-----+-----+ 360
Lc743 ATAACGGGCAAAGTGTGTGGCTCAGAGGATTGTCTATACCTAAGTGTCTATACGAATAAT
RM8A
RM8B
RM8C
RM8con

Lc743 L N P E T K R P V L V Y I H G G G F I I 140
RM8con
361 -----+-----+-----+-----+-----+ 420
Lc743 CTAAATCCCGAAACTAAACGTCCCGTTTGTAGTATACATACATGGTGGTGGTTTATTATC
RM8A
RM8B
RM8C
RM8con

Lc743 G E N H R D M Y G P D Y F I K K D V V L 160
RM8con
421 -----+-----+-----+-----+-----+ 480
Lc743 GGTGAAAATCATCGTGATATGTATGGTCTGATTATTTTATTAAAGGATGTGGTGTG
RM8A
RM8B
RM8C
RM8con

Lc743 I N I Q Y R L G A L G F L S L N S E D L 180
RM8con
481 -----+-----+-----+-----+-----+ 540
Lc743 ATTAACATACAATATCGTTTGGGAGCTCTAGGTTTCTAAGTTTAAATTCAGAAGACCTT
RM8A
RM8B
RM8C
RM8con

Lc743 N V P G N A G L K D Q V M A L R W I K N 200
RM8con
541 -----+-----+-----+-----+-----+ 600
Lc743 AATGTGCCCCGTAATGCCGGCCTTAAAGATCAAGTCATGGCCTTGCGTTGGATTAAAAAT
RM8A
RM8B
RM8CA.....
RM8con

Figure 1 continued

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Lc743 N C A N F G G N P D N I T V F G E S A G 220
RM8con
601 -----+-----+-----+-----+-----+ 660
Lc743 AATTGCGCCAACTTTGGTGGCAATCCCGATAATATTACAGTCTTTGGTGAAAGTGCCGGT
RM8A
RM8B
RM8C
RM8con

Lc743 A A S T H Y M M L T E Q T R G L F H R G 240
RM8con
661 -----+-----+-----+-----+-----+ 720
Lc743 GCTGCCTCTACCCACTACATGATGTTAACCGAACAACCTCGCGGTCTTTCCATCGTGGT
RM8A
RM8B
RM8C
RM8con

Lc743 I L M S G N A I C P W A N T Q C Q H R A 260
RM8con L
721 -----+-----+-----+-----+-----+ 780
Lc743 ATACTAATGTCCGGTAATGCTATTTGTCCATGGGCTAATACCCAATGTCAACATCGTGCC
RM8AT.....
RM8BT.....
RM8CT.....
RM8conT.....

Lc743 F T L A K L A G Y K G E D N D K D V L E 280
RM8con
781 -----+-----+-----+-----+-----+ 840
Lc743 TTCACCTTAGCCAAATTGGCCGGCTATAAGGGTGAGGATAATGATAAGGATGTTTTGGAA
RM8A
RM8B
RM8CA.....
RM8con

Lc743 F L M K A K P Q D L I K L E E K V L T L 300
RM8con
841 -----+-----+-----+-----+-----+ 900
Lc743 TTTCTTATGAAAGCCAAGCCACAGGATTTAATAAACTTGAGGAAAAAGTTTTAACTCTA
RM8A
RM8B
RM8CG.....
RM8con

Figure 1 continued

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Lc743 E E R T N K V M F P F G P T V E P Y Q T 320
RM8con
901 +-----+-----+-----+-----+ 960
Lc743 GAAGAGCGTACAAATAAGGTCATGTTTCCTTTTGGTCCCACTGTTGAGCCATATCAGACC
RM8A
RM8B
RM8C
RM8con

Lc743 A D C V L P K H P R E M V K T A W G N S 340
RM8con
961 +-----+-----+-----+-----+ 1020
Lc743 GCTGATTGTGTCTTACCCAAACATCCTCGGAAATGGTTAAACTGCTTGGGGTAATTCC
RM8A
RM8B
RM8C
RM8con

Lc743 I P T M M G N T S Y E G L F F T S I L K 360
RM8con
1021 +-----+-----+-----+-----+ 1080
Lc743 ATACCCACTATGATGGGTAACACTTCATATGAGGGTCTATTTTCACTTCAATTCTTAAG
RM8A
RM8B
RM8C
RM8con

Lc743 Q M P M L V K E L E T C V N F V P S E L 380
RM8con
1081 +-----+-----+-----+-----+ 1140
Lc743 CAAATGCCTATGCTTGTTAAGGAATTGAAACTTGTGTCAATTTGTGCCAAGTGAATTG
RM8A
RM8B
RM8C
RM8con

Lc743 A D A E R T A P E T L E M G A K I K K A 400
RM8con
1141 +-----+-----+-----+-----+ 1200
Lc743 GCTGATGCTGAACGCACCGCCCCAGAGACCTTGGAAATGGGTGCTAAAATTAAAAAGGCT
RM8AT.....
RM8B
RM8C
RM8con

Figure 1 continued

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Lc743 H V T G E T P T A D N F M D L C S H I Y 420
RM8con
1201 -----+-----+-----+-----+-----+1260
Lc743 CATGTTACAGGAGAAACACCAACAGCTGATAATTTTATGGATCTTTGCTCTCACATCTAT
RM8A
RM8B
RM8C
RM8con

Lc743 F W F P M H R L L Q L R F N H T S G T P 440
RM8con
1261 -----+-----+-----+-----+-----+1320
Lc743 TTCTGGTTCCCCATGCATCGTTTGTGCAATTACGTTTCAATCACACCTCCGGTACACCC
RM8A
RM8B
RM8C
RM8con

Lc743 V Y L Y R F D F D S E D L I N P Y R I M 460
RM8con
1321 -----+-----+-----+-----+-----+1380
Lc743 GTCTACTTGTATCGCTTCGACTTTGATTCCGAAGATCTTATTAATCCCTATCGTATTATG
RM8AC.....C.....
RM8BC.....C.....
RM8CC.....C.....
RM8conC.....C.....

Lc743 R S G R G V K G V S H A D E L T Y F F W 480
RM8con
1381 -----+-----+-----+-----+-----+1440
Lc743 CGTAGTGGACGTGGTGTAAAGGGTGTAGTCATGCTGATGAATTAACCTATTTCTTCTGG
RM8A
RM8B
RM8C
RM8con

Lc743 N Q L A K R M P K E S R E Y K T I E R M 500
RM8con
1441 -----+-----+-----+-----+-----+1500
Lc743 AATCAATTGGCCAAACGTATGCCTAAAGAATCGCGTGAATACAAACAATTGAACGTATG
RM8A
RM8B
RM8C
RM8con

Figure 1 continued

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Lc743 T G I W I Q F A T T G N P Y S N E I E G 520
 RM8con
 1501 -----+-----+-----+-----+-----+1560
 Lc743 ACTGGTATATGGATACAATTTGCCACCACTGGTAATCCTTATAGCAATGAAATTGAAGGT
 RM8A
 RM8B
 RM8C
 RM8con

Lc743 M E N V S W D P I K K S D E V Y K C L N 540
 RM8con
 1561 -----+-----+-----+-----+-----+1620
 Lc743 ATGGAAAATGTTTCCTGGGATCCAATTAAGAAATCCGACGAAGTATACAAGTGTGTTGAAT
 RM8A T.....
 RM8B T.....
 RM8C T.....
 RM8con T.....

Lc743 I S D E L K M I D V P E M D K I K Q W E 560
 RM8con
 1621 -----+-----+-----+-----+-----+1680
 Lc743 ATTAGTGACGAATTGAAAATGATTGATGTGCCTGAAATGGATAAGATTAAACAATGGGAA
 RM8A T.....G
 RM8B T.....G
 RM8C T.....G
 RM8con T.....G

Lc743 S M F E K H R D L F * 570
 RM8con
 1681 -----+-----+-----+-----+1713
 Lc743 TCGATGTTTGAAAAACATAGAGATTATTATTAG
 RM8A Lc743/3'.....
 RM8B
 RM8C
 RM8con

Figure 1 continued

SUBSTITUTE SHEET (RULE 26)

Figure 2.

SUBSTITUTE SHEET (RULE 26)

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Figure 3.

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ATGACTTTTCTGAAGCAATTCATATTTGCGCTGAAACTATGCTTTAAATGCATGGTCAAT
1  -----+-----+-----+-----+-----+-----+ 60
TACTGAAAAGACTTCGTTAAGTATAAAGCGGACTTTGATACGAAATTTACGTACCAGTTA

M T F L K Q F I F R L K L C F K C M V N -

AAATACACAAACTACCGTCTGAGTACAAATGAAACCCAAATAATCGATACTGAATATGGA
61  -----+-----+-----+-----+-----+-----+ 120
TTTATGTGTTTGATGGCAGACTCATGTTTACTTTGGGTTTATTAGCTATGACTTATACCT

K Y T N Y R L S T N E T Q I I D T E Y G -

CAAATTAAGGGTGTTAAGCGAATGACCGTCTACGATGATTCTTACTACAGTTTCGAGAGT
121 -----+-----+-----+-----+-----+-----+ 180
GTTTAATTCCCACAATTCGCTTACTGGCAGATGCTACTAAGAATGATGTCAAAGCTCTCA

Q I K G V K R M T V Y D D S Y Y S F E S -

ATACCCTATGCTAAGCCTCCAGTGGGTGAGTTGAGATTCAAGGCACCCAGCGGCCTGTA
181 -----+-----+-----+-----+-----+-----+ 240
TATGGGATACGATTTCGGAGGTCACCCACTCAACTCTAAGTTCCGTGGGGTCGCCGGACAT

I P Y A K P P V G E L R F K A P Q R P V -

CCATGGGAGGGTGACGTGATTGCTGTGGGCCAGCCAACAGATCGGTACAGACAGATTTTC
241 -----+-----+-----+-----+-----+-----+ 300
GGTACCCTCCCACATGCACTAACGACACCCGGTCGGTTGTCTAGCCATGTCTGTCTAAAG

P W E G V R D C C G P A N R S V Q T D F -

ATAAGTGGCAAACCCACAGTTTCGGAGGATTGTCTATACCTGAATGTGTATACCAATGAC
301 -----+-----+-----+-----+-----+-----+ 360
TATTCACCGTTTGGGTGTCCAAGCCTCCTAACAGATATGGACTTACACATATGGTTACTG

I S G K P T G S E D C L Y L N V Y T N D -

TTGAACCCAGACAAAAGGCGTCCTGTTATGGTTTTTCATCCATGGCGGAGATTTTATTTTC
361 -----+-----+-----+-----+-----+-----+ 420
AACTTGGGTCTGTTTTCCGCAGGACAATACCAAAAGTAGGTACCGCCTCTAAAATAAAAG

L N P D K R R P V M V F I H G G D F I F -

GGCGAAGCAAATCGTAACCTGGTTTGGTCCCGACTACTTTATGAAGAAACCCGTGGTCTTG
421 -----+-----+-----+-----+-----+-----+ 480
CCGCTTCGTTTAGCATTGACCAAACCAGGGCTGATGAAATACTTCTTTGGGCACCAGAAC

G E A N R N W F G P D Y F M K K P V V L -
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GTAACCGTGCAATATCGTTTGGGTGTGTTGGGTTTCCTTAGCCTGAAATCGGAAAATCTC
481 -----+-----+-----+-----+-----+ 540
CATTGGCACGTTATAGCAAACCCACACAACCCAAAGGAATCGGACTTTAGCCTTTTAGAG
V T V Q Y R L G V L G F L S L K S E N L -
AATGTCCCCGGCAACGCTGGCCTCAAGGATCAAGTAATGGCCTTGAGATGGGTCAAGAGT
541 -----+-----+-----+-----+-----+ 600
TTACAGGGGGCCGTTGCGACCGGAGTTCCTAGTTCATTACCGGAACCTCTACCCAGTTCTCA
N V P G N A G L K D Q V M A L R W V K S -
AATATTGCCATTTTTCGGTGGCGATGTAGACAATATTACCGTCTTCGGCGAAAGTGCTGGT
601 -----+-----+-----+-----+-----+ 660
TTATAACGGTAAAAGCCACCGCTACATCTGTTATAATGGCAGAAGCCGCTTTCACGACCA
N I A I F G G D V D N I T V F G E S A G -
GGGGCCTCAACCCATTACATGATGATAACCGAACAGACCCGTGGTTTATTCCATCGTGGT
661 -----+-----+-----+-----+-----+ 720
CCCCGGAGTTGGGTAATGTACTACTATTGGCTTGTCTGGGCACCAAATAAGGTAGCACCA
G A S T H Y M M I T E Q T R G L F H R G -
ATCATGATGTCCGTAATTCCATGTGCTCATGGGCCTCTACAGAATGCCAAAGTCGTGCG
721 -----+-----+-----+-----+-----+ 780
TAGTACTACAGGCCATTAAGGTACACGAGTACCCGGAGATGTCTTACGGTTTCAGCACGC
I M M S G N S M C S W A S T E C Q S R A -
CTCACCATGGCCAAACGTGTTGGCTATAAGGGAGAGGACAATGAAAAAGATATCCTGGAA
781 -----+-----+-----+-----+-----+ 840
GAGTGGTACCGGTTTGCACAACCGATATTCCCTCTCCTGTTACTTTTTCTATAGGACCTT
L T M A K R V G Y K G E D N E K D I L E -
TTCCTAATGAAAGCCAATCCCTATGATTTGATCAAAGAGGAGCCACAAGTTTTGACACCC
841 -----+-----+-----+-----+-----+ 900
AAGGATTACTTTTCGGTTAGGATACTAAACTAGTTTCTCCTCGGTGTTCAAACTGTGGG
F L M K A N P Y D L I K E E P Q V L T P -
GAAAGAATGCAAATAAGGTCATGTTTCCTTTTGGACCCACTGTAGAACCATACCAGACA
901 -----+-----+-----+-----+-----+ 960
CTTTCTTACGTTTTATTCCAGTACAAAGGAAAACCTGGGTGACATCTTGGTATGGTCTGT
E R M Q N K V M F P F G P T V E P Y Q T -
GGCGACTGTGTGGTACCCAAACCAATCAGAGAAATGGTGAAGAGCGCCTGGGGAAATTTCG
961 -----+-----+-----+-----+-----+ 1020
CGGCTGACACACCATGGGTTTGGTTAGTCTCTTTACCACTTCTCGCGGACCCCTTTAAGC
A D C V V P K P I R E M V K S A W G N S -

Figure 3 continued

SUBSTITUTE SHEET (RULE 26)

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ATACCCACATTGATAGGCAATACCTCCTACGAAGGTTTGCTTTCCAAATCAATTGCCAAA
1021 -----+-----+-----+-----+-----+-----+ 1080
TATGGGTGTAACCTATCCGTTATGGAGGATGCTTCCAAACGAAAGGTTTAGTTAACGGTTT

I P T L I G N T S Y E G L L S K S I A K -

CAATATCCGGAGGTTGTAAAAGAGTTGGAATCCTGTGTGAATTATGTGCCTTGGGAGTTG
1081 -----+-----+-----+-----+-----+-----+ 1140
GTTATAGGCCTCCAACATTTTCTCAACCTTAGGACACACTTAATACACGGAACCCCTCAAC

Q Y P E V V K E L E S C V N Y V P W E L -

GCTGACAGTGAACGCAGTGCCCCGAAACCCCTGGAGAGGGCTGCCATTGTGAAAAAGGCC
1141 -----+-----+-----+-----+-----+-----+ 1200
CGACTGTCACTTGCGTCACGGGGCCTTTGGGACCTCTCCCGACGGTAACACTTTTCCGG

A D S E R S A P E T L E R A A I V K K A -

CATGTGGATGGGGAAACACCTACTCTGGATAATTTTATGGAGCTTTGCTCCTATTTCTAT
1201 -----+-----+-----+-----+-----+-----+ 1260
GTACACCTACCCCTTTGTGGATGAGACCTATTAATAACCTCGAAACGAGGATAAAGATA

H V D G E T P T L D N F M E L C S Y F Y -

TTCCTCTTCCCATGCATCGCTTCTTACAATTGCGCTTCAACCACACAGCTGGCACTCCC
1261 -----+-----+-----+-----+-----+-----+ 1320
AAGGAGAAGGGGTACGTAGCGAAGGATGTTAACGCGAAGTTGGTGTGTCGACCGTGAGGG

F L F P M H R F L Q L R F N H T A G T P -

ATTTATTTGTATCGTTTCGATTTTCGATTCCGAAGAAATTATTAACCCCTATCGTATTATG
1321 -----+-----+-----+-----+-----+-----+ 1380
TAAATAAACATAGCAAAGCTAAAGCTAAGGCTTCTTTAATAATTGGGGATAGCATAATAC

I Y L Y R F D F D S E E I I N P Y R I M -

CGTTTTGGCCGTGGCGTTAAAGGTGTAAGCCATGCCGATGAGCTAACCTATCTCTTCTGG
1381 -----+-----+-----+-----+-----+-----+ 1440
GCAAAACCGGCACCGCAATTTCCACATTTCGGTACGGCTACTCGATTGGATAGAGAAGACC

R F G R G V K G V S H A D E L T Y L F W -

AACATTTTGTGAAACGCCTGCCAAAGGAAAGCCGGAATACAAAACCATTTGAACGCATG
1441 -----+-----+-----+-----+-----+-----+ 1500
TTGTAAAACAGCTTTGCGGACGGTTTCCTTTTCGGCGCTTATGTTTTGGTAACTTGGGTAC

N I L S K R L P K E S R E Y K T I E R M -

GTTGGCATTTTGGACGGAATTCGCCACCACCGGCAAACCATACAGCAATGATATAGCCGGC
1501 -----+-----+-----+-----+-----+-----+ 1560
CAACCGTAAACCTGCCTTAAGCGGTGGTGGCCGTTTGGTATGTCGTTACTATATCGGCCG

V G I W T E F A T T G K P Y S N D I A G -

Figure 3 continued

SUBSTITUTE SHEET (RULE 26)

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ATGGAAAACCTCACCTGGGATCCCATAAAAAAATCCGATGATGTCTATAAATGTTTAAAT
1561 -----+-----+-----+-----+-----+ 1620
TACCTTTTGGAGTGGACCCTAGGGTATTTTTTTTAGGCTACTACAGATATTACAAATTTA
M E N L T W D P I K K S D D V Y K C L N -
ATCGGCGATGAATTGAAAGTTATGGATTTGCCAGAAATGGATAAAATTAAACAATGGGCA
1621 -----+-----+-----+-----+-----+ 1680
TAGCCGCTACTTAACTTTCAATACCTAAACGGTCTTTACCTATTTTAATTTGTTACCCGT
I G D E L K V M D L P E M D K I K Q W A -
AGTATATTCGATAAAAAGAAGGAATTGTTT
1681 -----+-----+-----+ 1710
TCATATAAGCTATTTTTCTTCCTTAACAAA
S I F D K K K E L F

Figure 3 continued

Figure 4..

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